

CLAIMS

What is claimed is:

1 ~~Sub X-1~~ 1. A method of selectably rejecting an incoming call to a mobile
2 phone, said mobile phone having a transceiver circuit for transmitting and
3 receiving transmissions to and from a remote transceiver, said method
4 comprising the steps of:
5 receiving at the mobile phone a transmission from the remote
6 transceiver signifying that there is an incoming call;
7 determining at the mobile phone if said incoming call is to be rejected;
8 and
9 transmitting from the mobile phone a rejection message to the remote
10 transceiver, if a determination is made during said step of determining
11 that said incoming call is to be rejected, said rejection message
12 comprising at least one information element indicating that the call is to
13 be rejected.

1 2. The method of claim 1, wherein the mobile phone further
2 comprises an actuator operable by a user for inputting a first input, said step
3 of determining comprising the steps of:
4 notifying the user of said transmission; and
5 receiving a first input from the actuator, wherein reception of the first
6 input indicates that said incoming call is to be rejected.

1 3. The method of claim 1, wherein the mobile communications
2 device includes a memory and said transmission includes a first parameter,
3 said step of determining comprising the steps of:
4 storing a second parameter in the memory;

5 comparing at least a portion of the first parameter with said second
6 parameter; and

7 determining whether at least a portion of the first parameter matches
8 said second parameter, wherein if a match occurs, said incoming call
9 is to be rejected.

1 4. The method of claim 3, wherein the step of transmitting further
2 comprises the step of notifying the user of said incoming call to be rejected.

3 *sub 12* 5. A method of rejecting an incoming call to a mobile phone, said
4 mobile phone having a transceiver circuit for transmitting and receiving
5 transmissions to and from a remote transceiver, said mobile phone in
6 communication with a first calling station via the remote transceiver, said
7 method comprising the steps of:

8 receiving at the mobile phone, a transmission from the remote
9 transceiver signifying that there is an incoming call;
10 determining at the mobile phone if said incoming call is to be rejected;
11 and
12 transmitting from the mobile phone a rejection message to the remote
13 transceiver if a determination is made during said step of determining
14 that said incoming call is to be rejected, said rejection message
comprising at least one information element indicating that said
incoming call is to be rejected.

1 6. The method of claim 5, wherein the mobile phone includes an
2 actuator operable by a user for inputting a manual input to the mobile phone,
3 said step of determining comprises the step of:

4 notifying the user of said incoming call; and

5 receiving a manual input from the actuator, wherein reception of said
6 manual input indicates that said incoming call is to be rejected.

1 7. The method of claim 5, wherein the mobile phone further
2 comprises a memory and said transmission includes a first parameter, said
3 operation of determining comprising the steps of:

4 storing a second parameter in the memory;

5 comparing at least a portion of the first parameter with said second
6 parameter; and

7 determining whether at least a portion of the first parameter matches
8 said second parameter, wherein if a match occurs, said incoming call
9 is to be rejected.

10 8. The method of claim 7, wherein the step of transmitting
11 comprises the step of suppressing transmission of a rejection message to the
12 remote transceiver if a determination is made during said step of determining
13 that said incoming call is to be rejected.

14 9. The method of claim 7, wherein the operation of transmitting
15 further comprises notifying the user of said incoming call to be rejected.

16 10. In a mobile communications device, apparatus for selectably
17 rejecting an incoming call, said apparatus comprising:

18 a transceiver operable to send and receive transmissions to and from a
19 remote transceiver, wherein said transceiver for receiving a
20 transmission signifies that an incoming call is being attempted; and

21 a control processor coupled to said transceiver, said control processor
22 for determining if said incoming call is to be rejected, and if it is, said
23 control processor outputting a rejection message to said transceiver for
24 transmission to said remote transceiver, wherein said rejection
25 message comprises at least one information element indicating that
26 said incoming call is to be rejected.

Patent Application Papers of: Justin Beghtol and Kenneth Mar
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1 11. The apparatus of claim 10, wherein said control processor
2 comprises:

3 a user notification means;

4 an actuator for inputting a manual input from the user; and

5 a message processor coupled to said user notification means, said
6 actuator and said transceiver, said message processor for detecting
7 said transmission, wherein when said transmission is detected, said
8 message processor activates said user notification means, wherein
9 upon detecting a manual input from said actuator, said message
10 processor outputs a rejection message to said transceiver for
11 transmission to said remote transceiver.

1 12. The apparatus of claim 10, wherein said transmission includes a
2 first parameter, said control processor comprises:

3 a memory for storing a second parameter;

4 a determiner coupled to said memory and said transceiver, said
5 determiner for comparing at least a portion of the first parameter with
6 said second parameter, wherein if at least a portion of the first
7 parameter matches said second parameter, said determiner outputs a
8 rejection message to said transceiver for transmission to said remote
9 transceiver.

1 Sub 13. A method of selectably terminating a transmission transmitted
2 from a base station, said base station having a transceiver circuit for
3 transmitting and receiving transmissions to and from at least a first remote
4 station and a second remote station, said method comprising the steps of:

5 receiving at the base station a first transmission from the first remote
6 station;

7 transmitting from the base station a second transmission to the second
8 remote station;
9 receiving at the base station a third transmission from the second
10 remote station, said third transmission having a parameter;
11 detecting at the base station if said parameter has at least one
12 information element indicating that said second transmission is to be
13 terminated; and
14 terminating at the base station said second transmission, if it is
15 determined during said step of detecting that said second transmission
16 is to be terminated.

17 14. The method of claim 13, wherein the base station further
18 comprises a message controller, said operation of terminating further
19 comprising the step of transferring control of said first transmission to the
20 message controller if it is determined at said step of detecting that said
21 second transmission is to be terminated.

1 ~~Sub D 15.~~ 15. A method for selectably rejecting a transmission in a cellular
2 communications system, said cellular communications system having a base
3 station capable of two-way communication over a radio frequency link with a
4 remote station, said method comprising the steps of:

5 transmitting a first transmission from the base station to the remote
6 station;
7 determining at the remote station if said first transmission is to be
8 rejected;
9 transmitting a rejection message from the remote station to the base
10 station if it is determined at said step of determining that said first
11 transmission is to be rejected;
12 receiving said rejection message at the base station;

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13 detecting whether said rejection messages has at least one information
14 element indicating that said first transmission is to be terminated; and
15 terminating at the base station said first transmission if it is determined
16 at said step of detecting that said first transmission is to be terminated.

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